

REMARKS/ ARGUMENTS

This application is a PCT National Stage application filed under 35 USC 371 and based upon International Application No. PCT/EP00/01443 with international filing date 23 February 2000. Claims 1-44 are currently pending in this application.

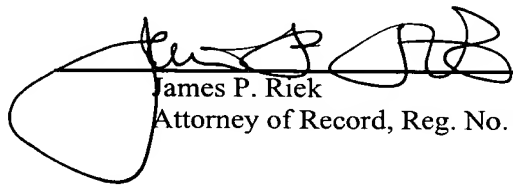
Claims 1-36 were previously amended following PCT Preliminary Examination, as indicated in the Annexed Pages which are stamped as "Amended Sheet." The "Amended Sheets" have been renumbered to correct an obvious typographical error. As such, Amended Sheet page 23 is now page 14; Amended Sheet page 33 is now page 15; Amended Sheet page 43 is now page 16; Amended Sheet page 53 is now page 17; and Amended Sheet page 63 is now page 18.

Claims 3-8, 12-16, 19-22, 28, 29, 36, 38-41 have been amended in this Preliminary Amendment to eliminate multiple dependencies to better comply with US practice and reduce expense.

Attached hereto is a marked version of the changes made to the specification and claims by the current preliminary amendment, (with the exception of the amended page numbers). The attached page is captioned "**Version with markings to show changes made.**"

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the specification

none

In the Claims

Claims 3-8, 12-16, 19-22, 28, 29, 36, and 38-41 have been amended as follows:

Claim 3. (Amended) A portable device according to claim 1 ~~either of claims 1 or 2~~, wherein said monitor comprises one or more sensors for sensing the airflow profile associated with the breath cycle.

Claim 4. (Amended) A portable device according to claim 1 ~~any of claims 1 to 3~~, wherein said monitor comprises one or more sensors for sensing the temperature profile associated with the breath cycle.

Claim 5. (Amended) A portable device according to claim 1 ~~any of claims 1 to 4~~, wherein said monitor comprises one or more sensors for sensing the moisture profile associated with the breath cycle.

Claim 6. (Amended) A portable device according to claim 1 ~~any of claims 1 to 5~~, wherein said monitor comprises one or more sensors for sensing the oxygen or carbon dioxide profile associated with the breath cycle.

Claim 7. (Amended) A portable device according to claim 1 ~~any of claims 1 to 6~~, wherein the trigger point corresponds to the point at which the lungs of the patient are most empty.

Claim 8. (Amended) A portable device according to claim 1, ~~any of claims 1 to 7~~, wherein said monitor is connectable to an electronic information processor.

Claim 12. (Amended) A portable device according to claim 9 ~~any of claims 9 to 11~~, wherein said electronic information processor includes a second predictive algorithm for predicting the optimum amount of medicament to release.

- Claim 13. (Amended) A portable device according to claim 9 ~~any of claims 9 to 11~~, wherein said electronic information processor includes a second look-up table for predicting the optimum amount of medicament to release.
- Claim 14. (Amended) A portable device according to claim 12 ~~either of claim 12 or 13~~, wherein said electronic information processor includes a dose memory for storing information about earlier delivered doses and reference is made to the dose memory in predicting the optimum amount of medicament to release.
- Claim 15. (Amended) A portable device according to claim 12 ~~any of claims 12 to 14~~, additionally comprising a display for displaying information about the optimum amount of medicament to release.
- Claim 16. (Amended) A portable device according to claim 12 ~~any of claims 12 to 15~~, additionally comprising a selector for selecting the amount of medicament to release.
- Claim 19. (Amended) A portable device according to claim 16 ~~any of claims 16 to 18~~, wherein the selector comprises a timing mechanism for varying the time interval of actuation of the actuator.
- Claim 20. (Amended) A portable device according to claim 16 ~~any of claims 16 to 19~~, wherein the selector comprises a metering mechanism between the container and the release mechanism for metering a variable quantity of medicament for release.
- Claim 21. (Amended) A portable device according to claim 16 ~~any of claims 16 to 20~~, wherein the selector comprises a multiple-fire mechanism for multiple actuation of the actuator, wherein each actuation releases a portion of the optimum amount of medicament.
- Claim 22. (Amended) A portable device according to claim 1 ~~any of claims 1 to 21~~, wherein said medicament container is an aerosol container and said release mechanism is an aerosol valve.

- Claim 28. (Amended) A portable device according to claim 1 ~~any of claims 1 to 21~~, wherein said medicament container is a dry-powder container or a liquid container.
- Claim 29. (Amended) A portable device according to claim 1 ~~any of claims 1 to 28~~, wherein said actuator comprises an energy store for storing energy which energy is releasable to activate the release mechanism of the medicament container.
- Claim 36. (Amended) A portable device according to claim 1 ~~any of claims 1 to 35~~, additionally comprising a safety mechanism to prevent unintended multiple actuations of the actuator.
- Claim 38. (Amended) A portable device according to claim 1 ~~any of claims 1 to 37~~, additionally comprising an actuation counter.
- Claim 39. (Amended) A portable device according to claim 1 ~~any of claims 1 to 38~~, additionally comprising a medicament release counter, preferably a dose counter.
- Claim 40. (Amended) A portable device according to claim 1 ~~any of claims 1 to 39~~, additionally comprising a manual override.
- Claim 41. An inhalation device for the delivery of inhalable medicament comprising a housing and a system according to claim 1 ~~any of claims 1 to 40~~.